BRUHAT BANGALORE MAHANAGARA PALIKE
EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of work:-Construction Of Ampi Theatre & Other Development Works At Proposed Mallasandra Park in Mallasandra Survey No.33 Mallasandra in Ward No.13

JOB NUMBER.: SI-2 **Est. Amount** 100.00 **Lakhs**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (Item No.18.11, Page No.136, SR:2016-17)								
	Site Area								
	Building	Sqm	2	5.95	3.45		41.06		
	Stage		1	9.00	5.00		45.00		
						Total Qty	**86.06**	**6.48**	**557.64**
2	Excavation in Soil with Dozer KSRRB M300-11. Excavation for road way in all types of soil by mechanical cum means including cutting and pushing the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 301 (Item No.19.11, Page No.143, SR: 2016-17)								
	Site Area								
	Building	Cum	2	5.95	3.45	0.15	6.16		
	Stage		1	9.00	5.00	0.15	6.75		
						Total Qty	**12.91**	**73.44**	**947.98**
3	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavatedsurface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a)/2.3.1 (Item No.2.1, Page No.5, SR: 2016-17)								
	Site Area								
	Building	Cum	2	5.95	3.45	1.00	41.06		
	Stage		1	9.00	5.00	1.00	45.00		
	Steps		1	68.00	12.00	1.00	816.00		
						Total Qty	**902.06**	**269.56**	**243157.95**
4	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5 (I.No:2.40, P.No:5, SR 2016-17)								
	For Building								
	SSM Foundation								
	Main Wall		2	18.00	0.90	0.80	25.92		
	Inner Wall		2	2.10	0.75	0.75	2.36		
	Footing Foundation								
	F1		8	1.90	1.75	2.50	66.50		
	Amphitheater SSM Work								
	Ch:00-66 Below Ground		1	63.00	0.90	0.55	31.19		
	Ch:66-126		1	63.00	1.40	0.30	26.46		
	Ch:126-189.50		1	63.50	1.00	0.30	19.05		
	Ch:189.50-253.50		1	64.00	1.00	0.30	19.20		
	Ch:253.50-318.50		1	65.00	1.00	0.30	19.50		
	Ch:318.50-384.50	Cum	1	66.00	1.00	0.30	19.80		
	Ch:384.50-453.50		1	69.00	1.00	0.30	20.70		
	Ch:453.50-524.50		1	71.00	1.00	0.30	21.30		
	Ch:524.50-596.50		1	72.00	1.00	0.30	21.60		
	Ch:596.50-670		1	73.50	1.00	0.30	22.05		
	Ch:670-745		1	75.00	1.00	0.30	22.50		
	Stage		1	12.50	0.90	0.80	9.00		
						Total Qty	**347.13**		
	Dedection								
	Column		8	0.38	0.23	0.90	0.63		
						Total Qty	**0.63**		
						Total Qty	**346.50**	**405.64**	**140553.54**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
5	KSRB-3.2: Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier underand around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (I.No:3.2, P.No:9, SR 2016-17)								
	For Building								
	SSM Wall								
	Main Wall	Sqm	2	18.00	0.90		32.40		
	Inner Wall		2	2.10	0.75		3.15		
	Footing Foundation								
	F1		8	1.90	1.75		26.60		
						Total Qty	**62.15**	**111.24**	**6913.57**
6	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m.and lift of 1.5m,complete as per specifications,(PWP,IWTD) SR Bangalore Circle 2014. specification. No. KBS (I.No:2.15, P.No:6, SR 2016-17)								
	For Building								
	Footing Foundation	Cum							
	F1		8	1.90	1.75	0.20	5.32		
						Total Qty	**5.32**	**2283.12**	**12146.20**
7	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.No:4.2, P.No:12, SR 2016-17)								
	For Building								
	SSM Wall								
	Main Wall		1	18.00	0.90	0.15	2.43		
	Inner Wall		1	2.10	0.75	0.15	0.24		
	Footing Foundation								
	F1		8	1.90	1.75	0.15	3.99		
	Flooring								
	Room 1 & 2		2	3.85	3.00	0.10	2.31		
	Toilet 1& 2		2	1.50	3.00	0.10	0.90		
	Amphitheater SSM Work								
	Ch:00-66 Below Ground		1	63.00	0.90	0.10	5.67		
	Ch:66-126		1	63.00	1.40	0.10	8.82		
	Ch:126-189.50		1	63.50	1.00	0.10	6.35		
	Ch:189.50-253.50	Cum	1	64.00	1.00	0.10	6.40		
	Ch:253.50-318.50		1	65.00	1.00	0.10	6.50		
	Ch:318.50-384.50		1	66.00	1.00	0.10	6.60		
	Ch:384.50-453.50		1	69.00	1.00	0.10	6.90		
	Ch:453.50-524.50		1	71.00	1.00	0.10	7.10		
	Ch:524.50-596.50		1	72.00	1.00	0.10	7.20		
	Ch:596.50-670		1	73.50	1.00	0.10	7.35		
	Ch:670-745		1	75.00	1.00	0.10	7.50		
	Stage		1	12.50	0.90	0.15	1.69		
	Stage Flooring		1	9.00	5.00	0.10	4.50		
						Total Qty	**92.44**		
	Dedection								
	Column		8	0.38	0.23	0.15	0.10		
						Total Qty	**0.10**		
						Total Qty	**92.34**	**5449.68**	**503217.29**
8	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I.No:5.6, P.No:23, SR 2016-17)								
	For Building								
	SSM Foundation								
	1st Step								
	Main Wall		2	18.00	0.75	0.25	6.75		
	2nd Step								
	Main Wall		2	18.00	0.60	0.40	8.64		
	Inner Wall		2	2.40	0.60	0.40	1.15		

Sl. No	Description of Work	Unit	No	Dimension L	B	D	Quantity	Rate in Rs.	Amount in Rs.
	Amphitheater SSM Work								
	Ch:00-66 Basement		1	63.00	0.60	0.80	30.24		
	Ch:66-126		1	63.00	2.00	0.60	75.60		
	Ch:126-189.50		1	63.50	2.00	0.60	76.20		
	Ch:189.50-253.50		1	64.00	2.00	0.60	76.80		
	Ch:253.50-318.50		1	65.00	2.00	0.60	78.00		
	Ch:318.50-384.50	Cum	1	66.00	2.00	0.60	79.20		
	Ch:384.50-453.50		1	69.00	2.00	0.60	82.80		
	Ch:453.50-524.50		1	71.00	2.00	0.60	85.20		
	Ch:524.50-596.50		1	72.00	2.00	0.60	86.40		
	Ch:596.50-670		1	73.50	2.00	0.60	88.20		
	Ch:670-745		1	75.00	2.00	0.60	90.00		
	Stage								
			1	12.50	0.75	0.25	2.34		
			1	12.50	0.60	0.40	3.00		
						Total Qty	**870.53**		
	Dedection								
	Column		8	0.38	0.23	0.65	0.45		
						Total Qty	**0.45**		
						Total Qty	**870.07**	**4521.96**	**3934427.48**
9	KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13) (I.No:5.9, P.No:23, SR 2016-17)								
	SSM Wall								
	3rd Step								
	Main Wall		2	18.00	0.45	0.50	8.10		
	Inner Wall		2	2.55	0.45	0.50	1.15		
	Amphitheater SSM Work								
	Ch:66-126		1	1.00	0.50	0.30	0.15		
	Ch:126-189.50		1	1.00	0.50	0.30	0.15		
	Ch:189.50-253.50		1	1.00	0.50	0.30	0.15		
	Ch:253.50-318.50		1	1.00	0.50	0.30	0.15		
	Ch:318.50-384.50		1	1.00	0.50	0.30	0.15		
	Ch:384.50-453.50	Cum	1	1.00	0.50	0.30	0.15		
	Ch:453.50-524.50		1	1.00	0.50	0.30	0.15		
	Ch:524.50-596.50		1	1.00	0.50	0.30	0.15		
	Ch:596.50-670		1	1.00	0.50	0.30	0.15		
	Ch:670-745		1	1.00	0.50	0.30	0.15		
	Stage								
			1	12.50	0.45	0.50	2.81		
						Total Qty	**13.56**		
	Dedection								
	Column		8	0.38	0.23	0.50	0.35		
						Total Qty	**0.35**		
						Total Qty	**13.21**	**5405.40**	**71407.50**
10	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 (Item No.4.10, Page No.13, SR: 2016-17)								
	Column Footing								
	F1		8	1.70	1.55	0.35	7.38		
	Cloumn up to plinth level								
	C1	Cum	8	0.38	0.23	2.40	1.68		
	Plinth Beam								
	Main Wall		2	18.00	0.23	0.30	2.48		
						Total Qty	**11.54**	**6718.68**	**77534.10**
11	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (I.No:2.10, P.No:6, SR 2016-17)								
	Community Hall								
	50% of Total Earth Excavation	Cum					173.25		
						Total Qty	**173.25**	**137.16**	**23762.85**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
12	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1 (I.tm No.2.12, P.No.6, SR:2016-17)								
	Filling	Cum							
	Building Area		2	5.96	3.46	1.00	41.24		
	Stage		1	9.00	5.00	1.00	45.00		
	Steps		1	68.00	12.00	1.75	1428.00		
	Building								
	Room 1 & 2		2	3.85	3.00	1.00	23.10		
	Toilet 1 & 2		2	1.50	3.00	1.00	9.00		
	Stage								
	inside		1	9.00	5.00	1.00	45.00		
						Total Qty	**1591.34**	**274.32**	**4,36,537.27**
13	KSRB4.2.7:Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets j*tc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6 (Item No.4.12, Page No.13, SR: 2016-17)								
	Column (plinth to lintle)	Cum							
	C1		8	0.38	0.23	2.10	1.47		
	For Building								
	Lintel Beam								
	Main Wall		2	18.00	0.23	0.20	1.66		
	Inner Wall		2	3.00	0.15	0.20	0.18		
	Column (Lintel to roof beam)								
	C1		8	0.38	0.23	0.30	0.21		
	Roof Beam								
	Beam 1		4	6.00	0.23	0.40	2.21		
	Beam 2		4	3.00	0.23	0.40	1.10		
	Roof Slab		1	6.00	3.50	0.15	3.15		
						Total Qty	**9.98**	**6876.36**	**68599.12**
14	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (I.No:4.19, P.No:14, SR 2016-17)								
	Chajja	Sqm							
	Doors D		2	1.50	0.60		1.80		
	Window W		2	1.80	0.60		2.16		
	Ventilator V		2	0.90	0.60		1.08		
						Total Qty	**5.04**	**492.48**	**2482.10**
15	KSRB 4-2.12 : Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. Specification No. KBS (Item No.4.21, Page No.14, SR: 2016-17)								
	INDOOR GAME	M							
	Chajja								
	Doors D		2	2.70			5.40		
	Window W		2	3.00			6.00		
	Ventilator V		2	2.10			4.20		
						Total Qty	**15.60**	**21.60**	**336.96**
16	Providing RCC loft (atta) 7.5cms thick with cement concrete design mix M20 using clean granite or trap jeiiy of 20mm and down size with necessary reinforcements at 20cms centre to centre as per design including form work, centring, curing, etc., complete (exclusive of cost of steel and fabrication charges). (I.No:4.54, P.No:12, SR 2016-17)								
	RCC Loft	Sqm							
	Room 1 & 2		2	6.00	0.60		7.20		
						Total Qty	**7.20**	**486.00**	**3499.20**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
17	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.No:4.6, P.No:12, SR 2016-17)								
	Cills	Cum							
	Window w		2	1.50	0.23	0.05	0.03		
	Ventilator V		2	0.60	0.23	0.05	0.01		
	SSM Foundation								
	Main Wall		1	18.00	0.45	0.10	0.81		
	Inner Wall		1	2.55	0.45	0.10	0.11		
	Amphitheater SSM Work								
	Ch:66-126		1	63.00	1.00	0.10	6.30		
	Ch:126-189.50		1	63.50	1.00	0.10	6.35		
	Ch:189.50-253.50		1	64.00	1.00	0.10	6.40		
	Ch:253.50-318.50		1	65.00	1.00	0.10	6.50		
	Ch:318.50-384.50		1	66.00	1.00	0.10	6.60		
	Ch:384.50-453.50		1	69.00	1.00	0.10	6.90		
	Ch:453.50-524.50		1	71.00	1.00	0.10	7.10		
	Ch:524.50-596.50		1	72.00	1.00	0.10	7.20		
	Ch:596.50-670		1	73.50	1.00	0.10	7.35		
	Ch:670-745		1	75.00	1.00	0.10	7.50		
	Amphitheater SSM Work (Steps)								
	Ch:66-126		1	1.00	0.50	0.10	0.05		
	Ch:126-189.50		1	1.00	0.50	0.10	0.05		
	Ch:189.50-253.50		1	1.00	0.50	0.10	0.05		
	Ch:253.50-318.50		1	1.00	0.50	0.10	0.05		
	Ch:318.50-384.50		1	1.00	0.50	0.10	0.05		
	Ch:384.50-453.50		1	1.00	0.50	0.10	0.05		
	Ch:453.50-524.50		1	1.00	0.50	0.10	0.05		
	Ch:524.50-596.50		1	1.00	0.50	0.10	0.05		
	Ch:596.50-670		1	1.00	0.50	0.10	0.05		
	Ch:670-745		1	1.00	0.50	0.10	0.05		
	Stage		1	12.50	0.45	0.10	0.56		
						Total Qty	**70.24**	**5876.28**	**412723.76**
18	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I.No:4.28, P.No:15, SR 2016-17)								
	For Footing	Sqm							
	F1		8	6.50		0.40	20.80		
						Total Qty	**20.80**	**249.48**	**5189.18**
19	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, . propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.32, P.No:16, SR 2016-17)								
	Column	Sqm							
	C1		8	1.22		4.90	47.82		
						Total Qty	**47.82**	**395.28**	**18,903.87**
20	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2 (I.No:4.18, P.No:15, SR 2016-17)								
	For Building	Sqm							
	Roof Slab		2	6.00	3.00		36.00		
						Total Qty	**36.00**	**338.04**	**12,169.44**
21	KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.36, P.No:16, SR 2016-17)								
	For Building	Sqm							
	Cills								
	Window W		2	1.50		0.15	0.45		
	Ventilator V		2	0.60		0.15	0.18		
	Roof Slab Edges		1	38.20		0.15	5.73		
						Total Qty	**6.36**	**732.24**	**4,657.05**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
22	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.34, P.No:16, SR 2016-17)								
	For Building	Sqm							
	Plinth Beam								
	Main Wall		2	18.00		0.60	21.60		
	Lintel Beam								
	Main Wall		2	18.00		0.40	14.40		
	Inner Wall		2	3.00		0.40	2.40		
	Door Opening		2	1.20	0.23		0.55		
	Door Opening		2	0.90	0.23		0.41		
	Window Opening		2	1.50	0.23		0.69		
	Ventilator Opening		2	0.60	0.23		0.28		
	Roof Beam								
	Beam 1		4	6.00		1.00	24.00		
	Beam 2		4	3.00		1.00	12.00		
						Total Qty	**76.33**	**276.48**	**21,104.27**
23	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (I.No:4.37, P.No:16, SR 2016-17)								
	For Building	Sqm							
	Chajja								
	Doors D		2	1.50	0.60		1.80		
	Window W		2	1.80	0.60		2.16		
	Ventilator V		2	0.90	0.60		1.08		
	Chajja Side								
	Doors D		2	2.70		0.15	0.81		
	Window W		2	3.00		0.15	0.90		
	Ventilator V		2	2.10		0.15	0.63		
						Total Qty	**7.38**	**291.60**	**2,152.01**
24	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.No:4.46, P.No:17, SR 2016-17)								
	For Building	Tonne							
	Steel								
	For One Cum 120Kgs of Concrete Qty Sl no 11		1		1.38		1.38		
	For One Cum 120Kgs of Concrete Qty Sl no 14		1		1.20		1.20		
	For One Cum 60Kgs of Concrete Qty Sl no 15		1		0.30		0.30		
						Total Qty	**2.88**	**65455.56**	**188796.04**
25	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54 (Item No.5.26.1, Page No.25, SR: 2016-17)								
	For Building	Sqm							
	Wall								
	Main Wall		2	18.00		2.40	86.40		
						Total Qty	**86.40**		
	Deduction								
	Door D		2	1.20		2.10	5.04		
	Window W		2	1.50		1.20	3.60		
	Ventilator V		2	0.60		0.45	0.54		
						Total Qty	**9.18**		
						Total Qty	**77.22**	**1011.96**	**78,143.55**
26	KSRB 5-15 : Providing and constructing non-load bearing wall with cement concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 (Jamb, closer blocks) with blocks of size 40x10x20cms. (lxbxh) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications..(Page No. 25, It No. 5.28 of KPWD S.R 2016-17)								
	For Building	Sqm							
	Inner Wall		2	3.00		2.80	16.80		
	Parapet Wall		2	18.00		0.30	10.80		
						Total Qty	**27.60**		
	Deduction								
	Door D1		2	0.80		2.10	3.36		
						Total Qty	**3.36**		
						Total Qty	**24.24**	**775.44**	**18,796.67**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
27	KSRB 9.4-1 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 (I.No:9.11, P.No:51, SR 2016-17)								
	Building								
	Door D	Cum	2	7.00	0.12	0.10	0.17		
	Door D1		2	6.20	0.10	0.08	0.10		
						Total Qty	**0.27**	**111083.40**	**29,681.48**
28	KSRB 9-13-1: Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, 9.26.4 (I.No:9.34, P.No:53, SR 2016-17)								
	Building								
	Door D	Sqm	2	1.20		2.10	5.04		
	Door D1		2	0.80		2.10	3.36		
						Total Qty	**8.40**	**3889.08**	**32668.27**
29	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raui plugs, or teak wood gatties including cutting masonry or concrete and making good the originai surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. (I.No:7.10.2, P.No:33, SR 2016-17)								
	Building								
	Window W	Sqm	2	1.50		1.20	3.60		
	Ventilator V		2	0.60		0.45	0.54		
						Total Qty	**4.14**	**4209.84**	**17428.74**
30	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (I.No:7.9, P.No:32, SR 2016-17)								
	Building								
	Window W	Kgs	2	1.50		1.20	3.60		
	Ventilator V		2	0.60		0.45	0.54		
	Total Qty in Kgs (Qty in Sqm *21kg/Sqm)						4.14		
						Total Qty	**86.94**	**84.24**	**7323.83**
31	KSRB 15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. (I.No:15.19, P.No:114, SR 2016-17)								
	Out Side								
	For Building								
	Main Wall		2	18.92		3.20	121.09		
	Parapet Wall		4	18.50		0.70	51.80		
	Amphitheater SSM Work								
	Ch:66-126		1	63.00		1.60	100.80		
	Ch:126-189.50		1	63.50		1.60	101.60		
	Ch:189.50-253.50		1	64.00		1.60	102.40		
	Ch:253.50-318.50		1	65.00		1.60	104.00		
	Ch:318.50-384.50		1	66.00		1.60	105.60		
	Ch:384.50-453.50		1	69.00		1.60	110.40		
	Ch:453.50-524.50		1	71.00		1.60	113.60		
	Ch:524.50-596.50		1	72.00		1.60	115.20		
	Ch:596.50-670		1	73.50		1.60	117.60		
	Ch:670-745		1	75.00		1.60	120.00		

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
	Amphitheater SSM Work (Steps top)	Sqm							
	Ch:66-126		1	1.00	0.50		0.50		
	Ch:126-189.50		1	1.00	0.50		0.50		
	Ch:189.50-253.50		1	1.00	0.50		0.50		
	Ch:253.50-318.50		1	1.00	0.50		0.50		
	Ch:318.50-384.50		1	1.00	0.50		0.50		
	Ch:384.50-453.50		1	1.00	0.50		0.50		
	Ch:453.50-524.50		1	1.00	0.50		0.50		
	Ch:524.50-596.50		1	1.00	0.50		0.50		
	Ch:596.50-670		1	1.00	0.50		0.50		
	Ch:670-745		1	1.00	0.50		0.50		
	Amphitheater SSM Work (Steps Side)								
	Ch:66-126		1	2.00		0.30	0.60		
	Ch:126-189.50		1	2.00		0.30	0.60		
	Ch:189.50-253.50		1	2.00		0.30	0.60		
	Ch:253.50-318.50		1	2.00		0.30	0.60		
	Ch:318.50-384.50		1	2.00		0.30	0.60		
	Ch:384.50-453.50		1	2.00		0.30	0.60		
	Ch:453.50-524.50		1	2.00		0.30	0.60		
	Ch:524.50-596.50		1	2.00		0.30	0.60		
	Ch:596.50-670		1	2.00		0.30	0.60		
	Ch:670-745		1	2.00		0.30	0.60		
						Total Qty	**1275.09**		
	Deduction								
	For Building								
	Door D		2	1.20		2.10	5.04		
	Window W		2	1.50		1.20	3.60		
	Ventilator V		2	0.60		0.45	0.54		
						Total Qty	**9.18**		
						Total Qty	**1265.91**	**252.72**	**319920.27**
32	KSRB15-3.7 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(I.No:15.16, P.No:114, SR 2016-17)								
	In Side	Sqm							
	For Building								
	Room 1 & 2		2	13.70		3.00	82.20		
	Toilet 1 & 2		2	9.00		3.00	54.00		
						Total Qty	**136.20**		
	Deduction								
	Door D		2	1.20		2.10	5.04		
	Door D1		2	0.80		2.10	3.36		
	Window W		2	1.50		1.20	3.60		
	Ventilator V		2	0.60		0.45	0.54		
						Total Qty	**12.54**		
						Total Qty	**123.66**	**238.68**	**29515.17**
33	KSRB 15-3-13 : Providing 12mm thick cement piaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. (I.No:15.21, P.No:114, SR 2016-17)								
	For Building	Sqm							
	Chejja								
	Door D		4	1.50	0.60		3.60		
	Window W		4	1.80	0.60		4.32		
	Ventilator V		4	0.90	0.60		2.16		
	Roof Slab								
	Slab		2	6.00	3.50		42.00		
						Total Qty	**52.08**	**208.44**	**10855.56**
34	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications.using silver grey granite / Multy Red / Ruby Red I Black / Hassan Green Granite of width not less than 1200mm.(I.No:14.47.1, P.No:107, SR 2016-17)								
	For Building	Sqm							
	Flooring								
	Room 1 & 2		2	3.85	3.00		23.10		
	Skirting								
	Room 1 & 2		2	13.70		0.15	4.11		
						Total Qty	**27.21**	**2828.52**	**76,964.03**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
35	Providing and fixing for flooring 40mm thick sadarhaili grey flammed granite slab for bath areas in Bathrooms over a bed of 25mm thick CM1:6 and fixing granite slab with CM 1:3.(PWD.Itm no 14.57, Page no 109 SR 2016-17)								
	Amphitheater SSM Work (tread)	Sqm							
	Ch:66-126		1	63.00	1.00		63.00		
	Ch:126-189.50		1	63.50	1.00		63.50		
	Ch:189.50-253.50		1	64.00	1.00		64.00		
	Ch:253.50-318.50		1	65.00	1.00		65.00		
	Ch:318.50-384.50		1	66.00	1.00		66.00		
	Ch:384.50-453.50		1	69.00	1.00		69.00		
	Ch:453.50-524.50		1	71.00	1.00		71.00		
	Ch:524.50-596.50		1	72.00	1.00		72.00		
	Ch:596.50-670		1	73.50	1.00		73.50		
	Ch:670-745		1	75.00	1.00		75.00		
						Total Qty	**682.00**	**2042.28**	**1392834.96**
36	Providing and fixing Ceramic tiles of size 400x400mm for flooring, threads, steps and landing, laid on a bed of 20mm thick cement mortar 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, cleaning etc., complete. The work includes cost of all materials, mortar, labour charges for all items of work, hirecharges for equipment, etc., complete as per specification.(I.tmNo.14.63, P.No.110, SR:2016-17)								
	For Building								
	Flooring	Sqm							
	Toilet Floor		2	1.50	3.00		9.00		
	Toilet Wall		2	8.20		3.00	49.20		
						Total Qty	**58.20**	**1161.00**	**67570.20**
37	KSRB 14.7-3 :Providing and laying flooring 40 mm thick, with an under layer of 30mm thick M-15 cement concrete, using broken granite meta! of 12.5mm nominal size and top layer of 10mm thick plaster with cement mortar 1:3, finished with floating coat of neat cement, including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3(PWD.Itm no 14.10, Page no 102 SR 2016-17)								
	Stage Flooring	Sqm	1	9.00	5.00		45.00		
						Total Qty	**45.00**	**558.36**	**25126.20**
38	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (I.No:15.33, P.No:115, SR 2016-17)								
	In Side Plaster Qty	Sqm					123.66		
	Celling Plaster Qty						52.08		
						Total Qty	**175.74**	**27.00**	**4744.98**
39	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered - (a) 100% for fresh surface (b) Upto 10 % for repainting (I.No:15.106, P.No:126, SR 2016-17)								
	In Side Plaster Qty	Sqm					123.66		
	Celling Plaster Qty						52.08		
						Total Qty	**175.74**	**60.48**	**10628.76**
40	KSRB 15-15.1 : Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P.No-117 ,I No-15.51.2 of KPWD S.R 2016-17)								
	In Side Plaster Qty	Sqm					123.66		
	Celling Plaster Qty						52.08		
						Total Qty	**175.74**	**97.20**	**17081.93**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
41	KSRB 15-15.2 : Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.(P.No-117 ,I No-15.51.3 of KPWD S.R 2016-17)								
	In Side Plaster Qty	Sqm					123.66		
	Celling Plaster Qty						52.08		
						Total Qty	**175.74**	**4.32**	**759.20**
42	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min, to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges (Item No.15.105, Page No.125, SR: 2016-17)								
	Out Side Painting	Sqm							
	For Building								
	Main Wall		2	18.92		3.20	121.09		
	Parapet Wall		4	18.50		0.70	51.80		
						Total Qty	**172.89**	**375.84**	**64,978.23**
43	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. (I.No:15.58, P.No:119, SR 2016-17)								
	For Building	Sqm							
	For frame								
	Door D		4	7.00	0.40		11.20		
	Door D1		4	6.20	0.36		8.93		
	For Shutter								
	Door D		2	1.20	2.10		5.04		
	Door D1		2	0.80	2.10		3.36		
						Total Qty	**28.53**	**33.48**	**955.12**
44	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (I.No:15.60.1, P.No:119, SR 2016-17)								
	For Building	Sqm							
	For frame								
	Door D		4	7.00	0.40		11.20		
	Door D1		4	6.20	0.36		8.93		
	For Shutter								
	Door D		2	1.20	2.10		5.04		
	Door D1		2	0.80	2.10		3.36		
						Total Qty	**28.53**	**90.72**	**2588.06**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
45	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (I.No:15.74, P.No:121, SR 2016-17)								
	Paint								
	Windows W	Sqm	4	1.50		1.20	7.20		
	Ventilator V		4	0.60		0.45	1.08		
						Total Qty	**8.28**	**88.56**	**733.28**
46	KSRB 15.8.1 Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications, (length of mesh only be measured for payment) (I.No:15.35, P.No:115, SR 2016-17)								
	Mesh								
	Column	M	16	3.00			48.00		
	Beam		4	18.00			72.00		
						Total Qty	**120.00**	**38.88**	**4665.60**
47	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (I.No:34.13, P.No:254, SR 2016-17)								
	For Building	Sqm							
	Main Wall		1	19.00	0.45		8.55		
	Stage								
	SSM All Around		1	42.80		1.00	42.80		
						Total Qty	**51.35**	**105.84**	**5434.88**
48	FIXTURS								
	0188 Hinges 5" heavy duty	Each	40				40	**39.96**	**1,598.40**
	0427 Tower bolt 300 mm long		20				20	**129.60**	**2,592.00**
	Providing Screws		150				150	**3.24**	**486.00**
	0220 Locking arrangements		2				2	**702.00**	**1,404.00**
49	KSRB 0.5-3.1: Providing lime surkhi mortar of mix 1:1 (1 lime putty : 1 surkhi) including cost of all materials, labour charges, HOM of machin3ry complete as per specifications. Specification No. KBS(Page No.-2 I.No-1.12 of KPWD S.R 2016-17)								
	Surkhi For Roof	Cum							
	Building		2	6.00	3.50	0.05	2.10		
						Total Qty	**2.10**	**4845.96**	**10176.52**
50	Supplying heavy PVC condiuit pipe .....mm dia .....mm thick confirming to IS 2509 woth suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary(2/1.2)(P.No-2 ,I No-1.1.1 & 1.1.2 of ELE S.R 2014-15)								
	Room 1 & 2	M							
	Electricals								
	19/20mm dia 2mm thick		1	60.00			60.00	**46.44**	**2,786.40**
	25mm dia 2mm thick		1	20.00			20.00	**61.56**	**1,231.20**
51	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.(2/1.4)(P.No-2 ,I No-1.4.1 & 1.4.2 of ELE S.R 2014-15)								
	Room 1 & 2	Each							
	Electricals								
	75x75x65mm		1	10.00			10.00	**101.52**	**1,015.20**
	100x75x65mm		1	10.00			10.00	**103.68**	**1,036.80**
								Total Constrution cost	**84,33,501.81**
								Design Report,Proof Checking & PMC Amount	**2,10,837.55**
								KRIDL Charges 16%	**13,49,360.29**

Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
								Sub Total	99,93,699.64
								Miscellaneous & Rounding Off	6,300.36
								Grand Total	100,00,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-40.

Consultants
For Sri Sai Consultants

Assistant Engineer
Dasarahalli Project division
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

ಸಂ: EE/PD/AS/ಅಂದಾಜು/17-18/
ದಿ: 10.08.2017 ಸಾಲಿನ ಲೆಕ್ಕಶೀರ್ಷಿಕೆಯಡಿಯಲ್ಲಿ
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲನಾ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

CE/TS/221/17-18 ದಿನಾಂಕ : 27/09/17
Rs. 100.00 Lakhs. only

ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.